

AMENDMENTS TO THE CLAIMS:

Please amend the claims as provided below:

1. (Currently Amended) A method ~~Method~~ of marking by sublimation and application of decorated film or paper on extruded bars (3) with polygonal cross-sections, with no limit on length, the method comprising the step of:

applying decorated film or paper on extruded bars by sublimation or decorative veneering through a matrix (1) and a die (2), which are heated and supported by a vibrating base plate (5).

2. (Currently Amended) Device ~~A device~~ for implementing the method according to claim 1, characterised in that the wherein an inside of the die (2) is in the shape of the object to be decorated (3).

3. (Currently Amended) Device ~~The device~~ according to claim 2, characterised in that the wherein the device is configured to cool the extruded bar (3) to be decorated, according to the nature of its material, can be cooled or not at the outlet of the device by spraying (6) the extruded bar with a cooling liquid, such as water.

4. (Currently Amended) Device ~~The device~~ according to claim 2 claims 2 and 3, characterised in that the winding (7) of the wherein the device is configured to carry out a winding of waste in the case of sublimation is carried out automatically or not.

5. (Currently Amended) Device ~~The device~~ according to claim 2, characterised in that wherein the base plate (5) that supports the matrix (1) and the die (2) vibrates by means of processes such as the generation of ultrasounds or vibration by an electromagnet.

6. (Currently Amended) Device ~~The device~~ according to claim 2, characterised in that wherein the die (2) can be built into the a cone (1) that shapes the a decoration support (4).

7. (Currently Amended) **Device** The device according to claim 6, wherein 2, characterised in that wherein the device is configured to allow for the die (2) can to replace the cone (1) with a simple chamfer at its intake in case in which the shape of the product to be marked (3) is simple.

8. (Currently Amended) **Device** The device according to claim 6, wherein 2, characterised in that the intermediate sections of the cone (1) are obtained through the principle of morphing. The intake (8) has a circular intake; the cross section of the outlet (9) is in the shape of the product to be marked (3).

9. (Currently Amended) **Device** The device according to claim 6, wherein 2, characterised in that the cone (1) can act as a die (2) by virtue of its outlet shape, thus doing away with the need for mounting a die (2).

10. (Currently Amended) **Device** The device according to claim 2, characterised in that the wherein the device is configured to, in the case of the product to be marked (3) comprising comprises small irregularities in its shape, allow O-rings can to be mounted in a series of gorges inside the die (2), which ensure that correct contact is maintained between the decoration support (4) and the product to be marked (3).